

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072715\
 Data File : BF080687.D
 Acq On : 27 Jul 2015 23:35
 Operator : TP/UM
 Sample : G3088-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DIN46-EFFLUENT-072315

Quant Time: Jul 28 07:50:40 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 28 07:40:31 2015
 Response via : Initial Calibration

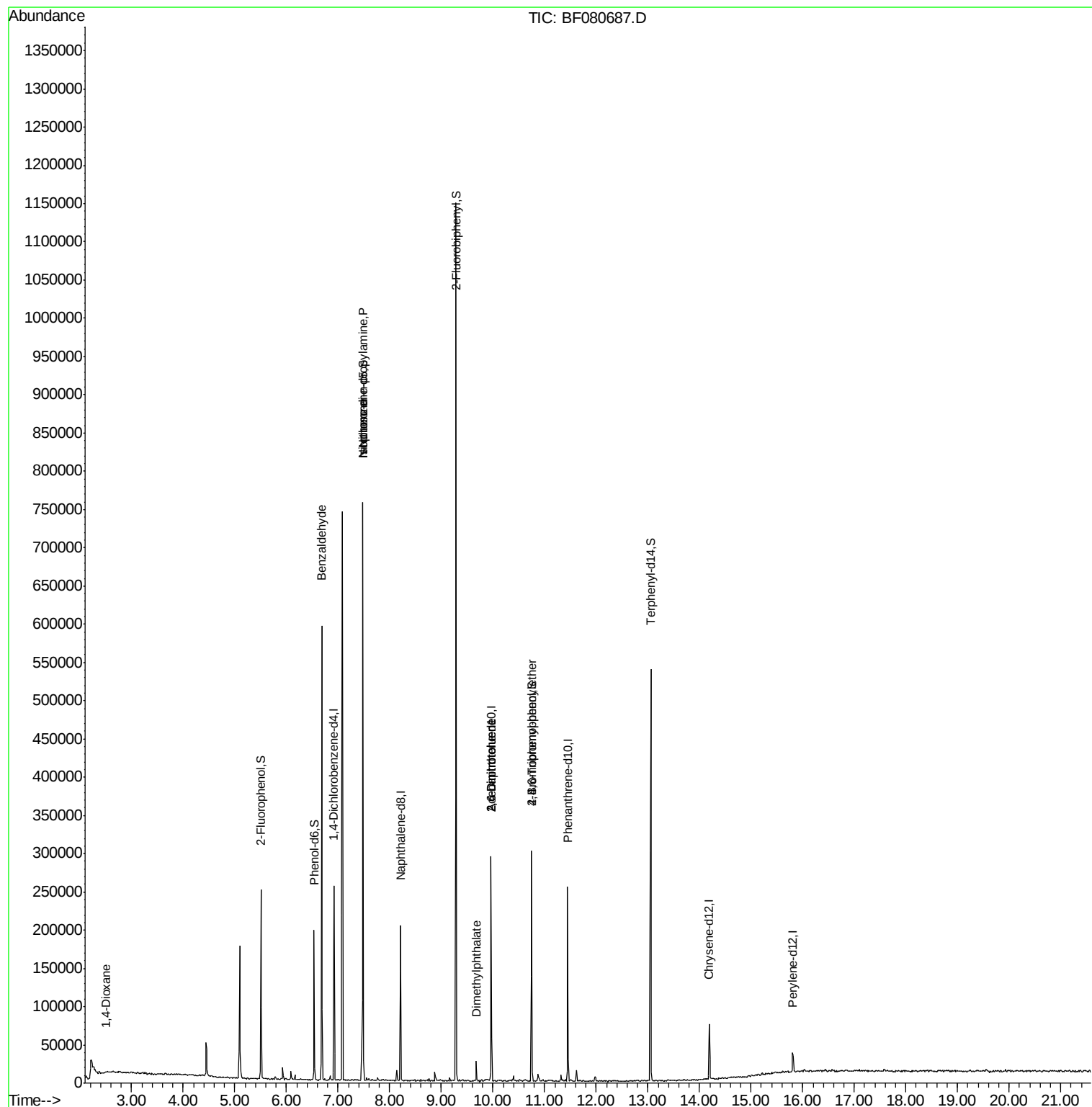
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	31997	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	113855	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	52946	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	85930	20.00	ng	0.00
75) Chrysene-d12	14.19	240	29641	20.00	ng	-0.06
86) Perylene-d12	15.80	264	14901	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	64851	31.70	ng	0.00
7) Phenol-d6	6.53	99	51435	23.74	ng	0.00
23) Nitrobenzene-d5	7.48	82	199480	89.70	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	36590	78.15	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	365143	86.31	ng	0.00
78) Terphenyl-d14	13.06	244	201462	115.74	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.51	88	1736	2.01	ng	# 14
9) Benzaldehyde	6.68	77	3383	2.31	ng	# 86
19) n-Nitroso-di-n-propylamine	7.48	70	26539	20.86	ng	# 69
25) Isophorone	7.48	82	179852	52.18	ng	# 63
49) Dimethylphthalate	9.68	163	10680	3.05	ng	# 97
50) 2,6-Dinitrotoluene	9.96	165	7294	10.68	ng	# 40
56) 2,4-Dinitrotoluene	9.96	165	7295	9.36	ng	# 33
66) 4-Bromophenyl-phenylether	10.75	248	2763	2.99	ng	# 1

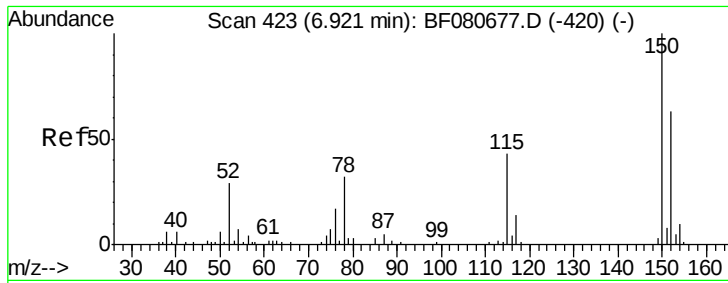
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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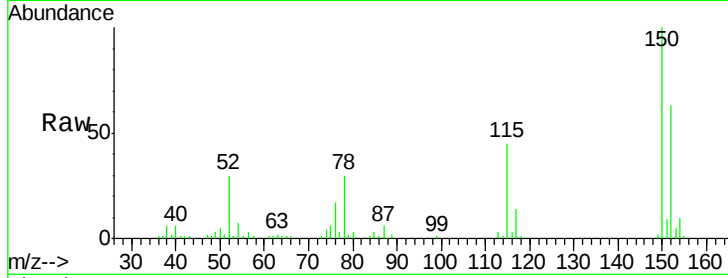


#1

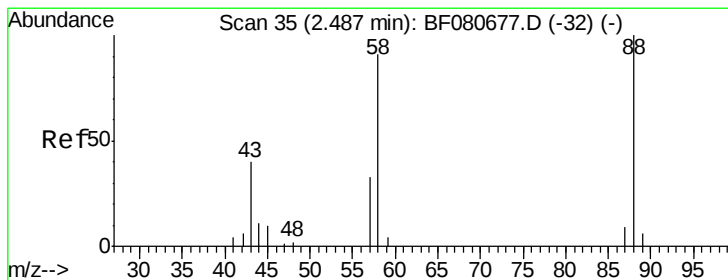
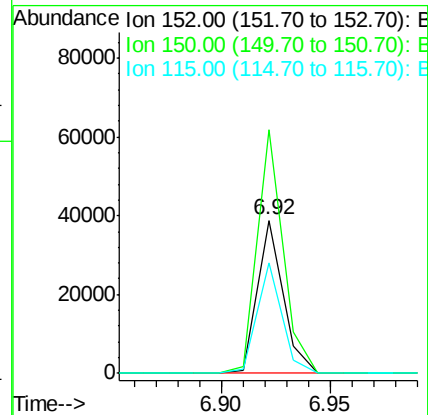
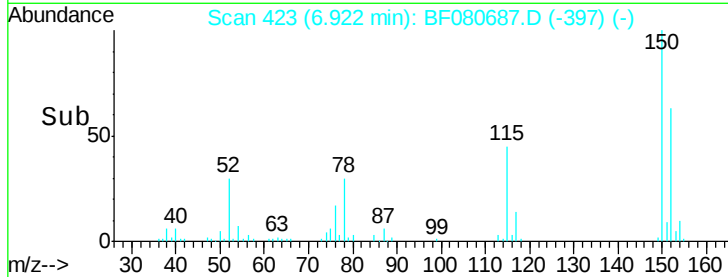
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 423
Delta R.T. 0.00 min
Lab File: BF080687.D
Acq: 27 Jul 2015 23:35

Instrument :
BNA_F
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion:152 Resp: 31997
Ion Ratio Lower Upper
152 100
150 159.1 127.7 191.5
115 72.1 54.2 81.4



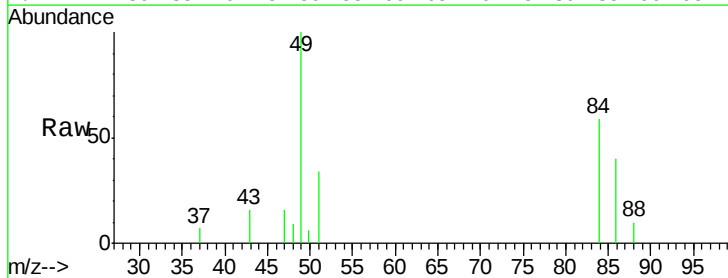
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



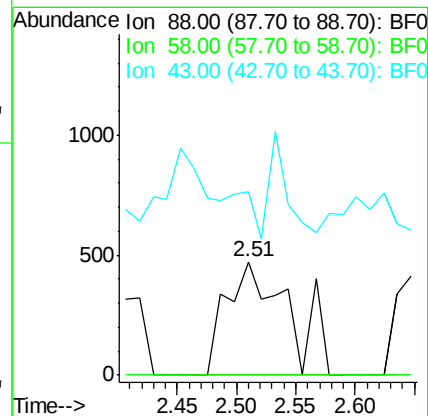
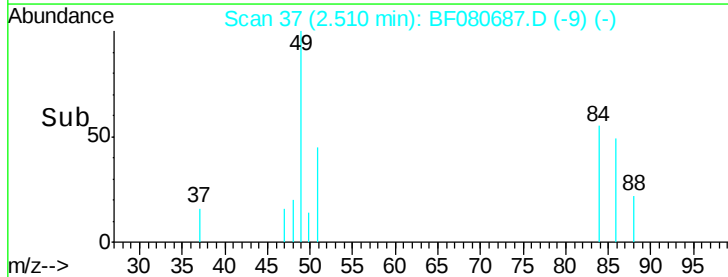
#2

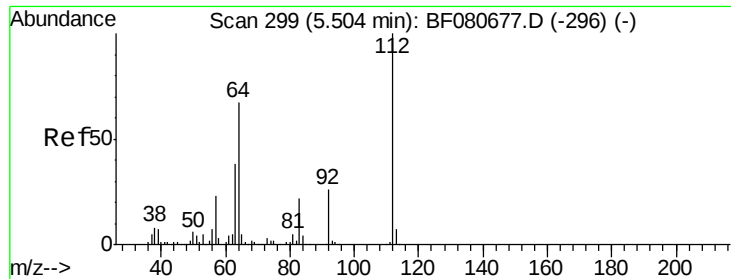
1,4-Dioxane
Concen: 2.01 ng
RT: 2.51 min Scan# 37
Delta R.T. 0.02 min
Lab File: BF080687.D
Acq: 27 Jul 2015 23:35

Tgt Ion: 88 Resp: 1736
Ion Ratio Lower Upper
88 100
58 0.0 71.6 107.4#
43 0.0 31.4 47.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 31.70 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.00 min

Lab File: BF080687.D

Acq: 27 Jul 2015 23:35

Instrument :

BNA_F

ClientSampleId :

DIN46-EFFLUENT-072315

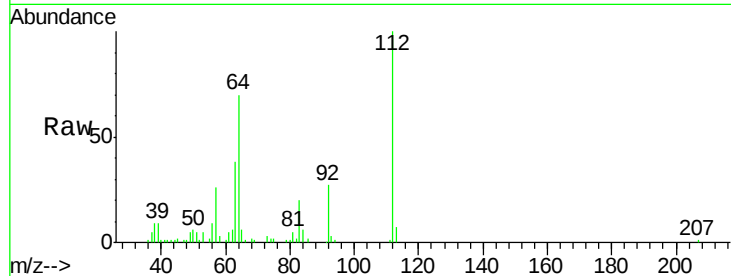
Tgt Ion: 112 Resp: 64851

Ion Ratio Lower Upper

112 100

64 70.5 53.2 79.8

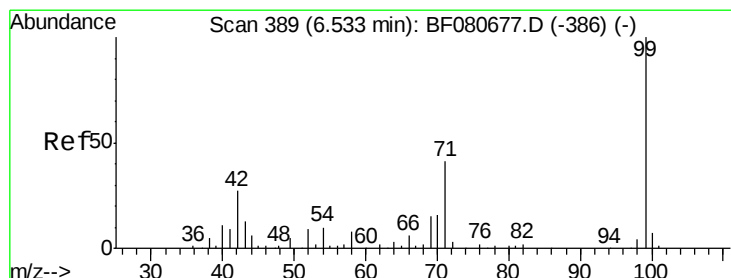
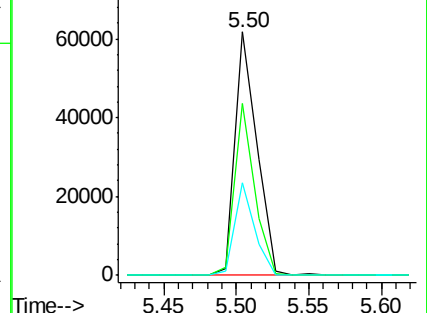
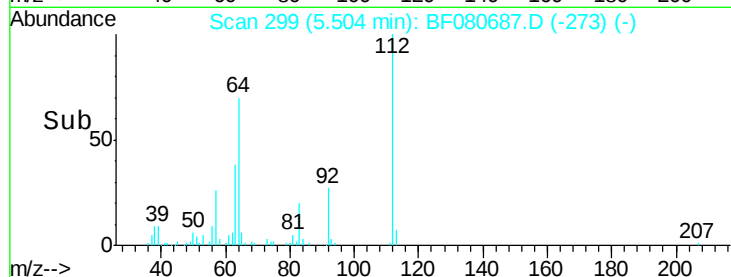
63 37.9 30.4 45.6



Abundance Ion 112.00 (111.70 to 112.70): BF0

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 23.74 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF080687.D

Acq: 27 Jul 2015 23:35

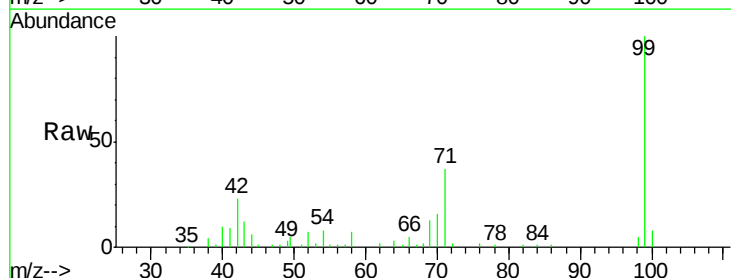
Tgt Ion: 99 Resp: 51435

Ion Ratio Lower Upper

99 100

42 23.2 21.8 32.8

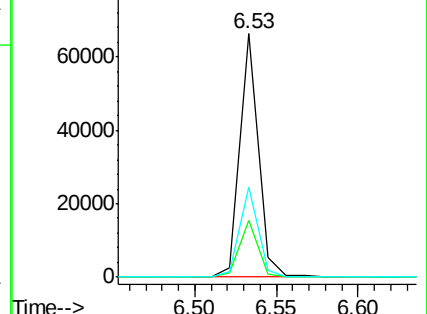
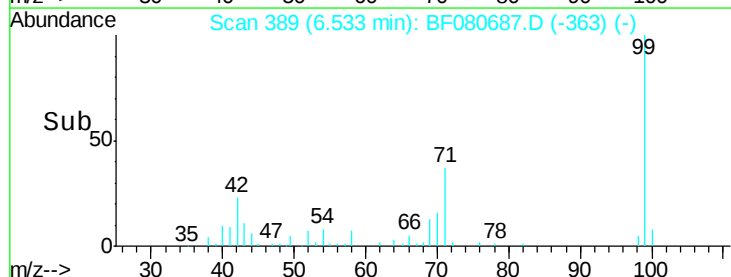
71 37.1 32.9 49.3

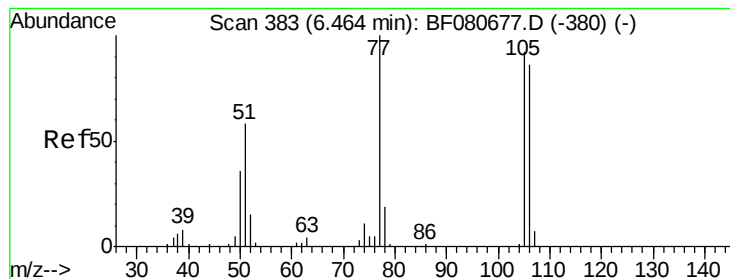


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 2.31 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.22 min

Lab File: BF080687.D

Acq: 27 Jul 2015 23:35

Instrument :

BNA_F

ClientSampleId :

DIN46-EFFLUENT-072315

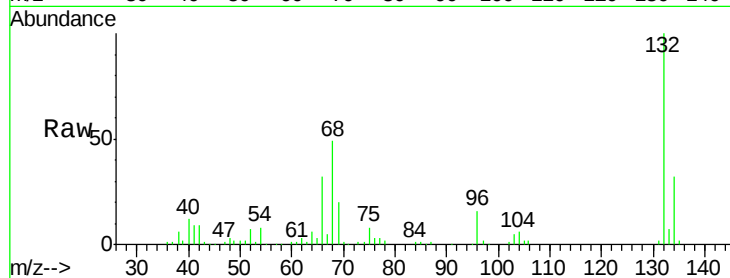
Tgt Ion: 77 Resp: 3383

Ion Ratio Lower Upper

77 100

105 80.7 72.1 112.1

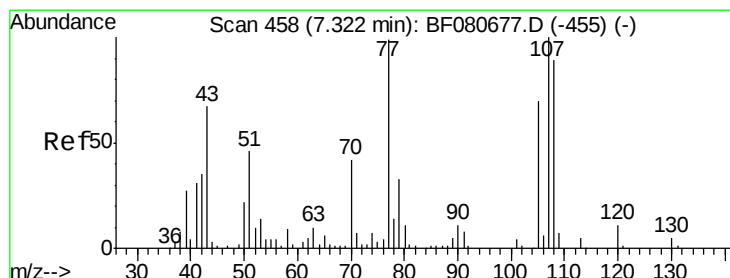
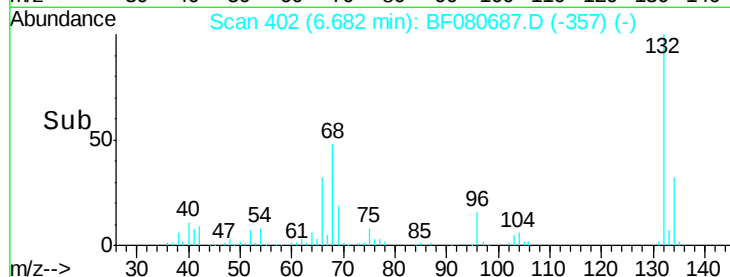
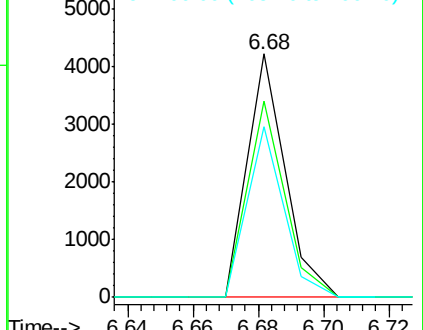
106 70.0 65.5 105.5



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 20.86 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.16 min

Lab File: BF080687.D

Acq: 27 Jul 2015 23:35

Tgt Ion: 70 Resp: 26539

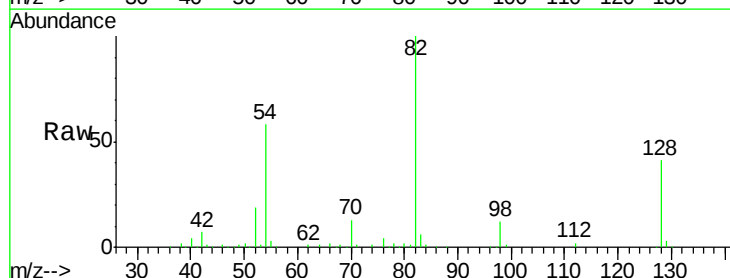
Ion Ratio Lower Upper

70 100

42 55.0 67.4 101.2#

101 0.0 7.3 10.9#

130 1.1 10.5 15.7#

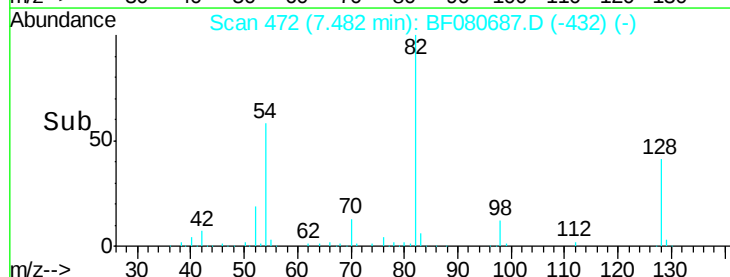
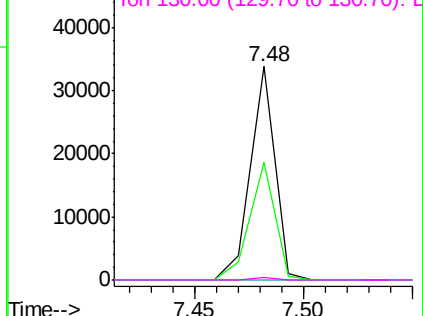


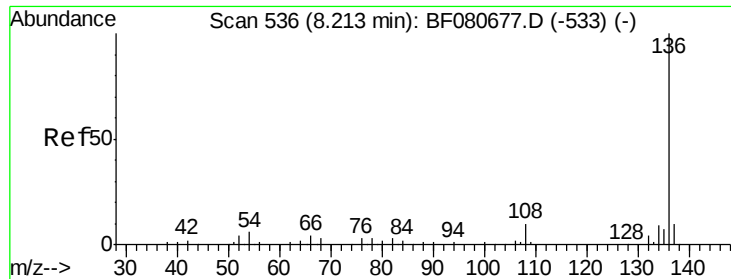
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

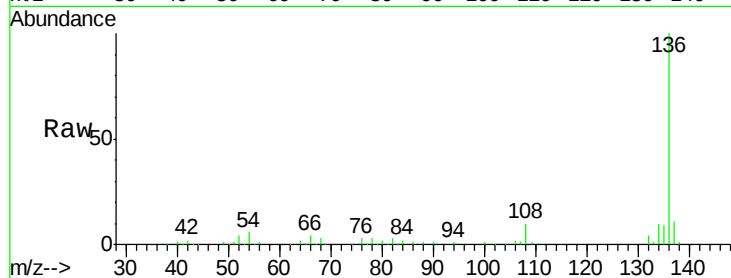




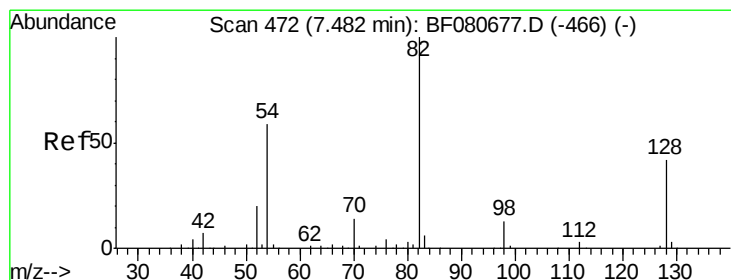
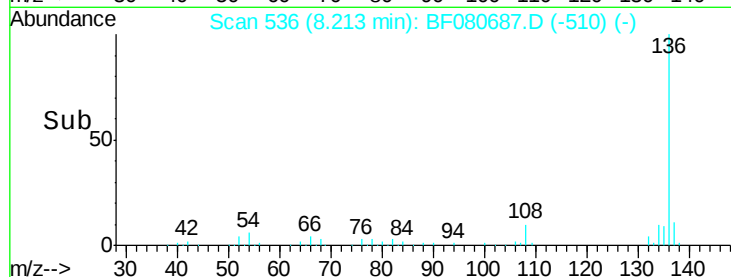
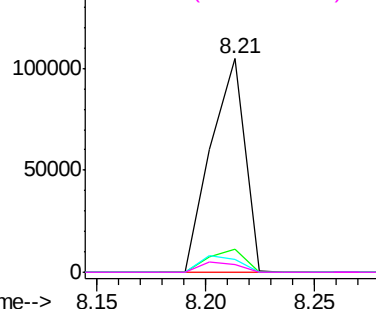
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 536
Delta R.T. 0.00 min
Lab File: BF080687.D
Acq: 27 Jul 2015 23:35

Instrument :
BNA_F
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion:	136	Resp:	113855
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.2
54	6.2	5.0	7.4
68	3.4	2.7	4.1

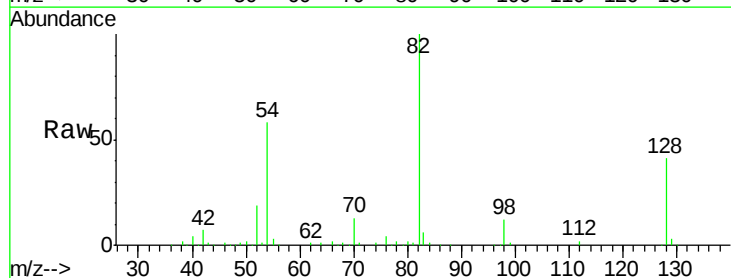


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

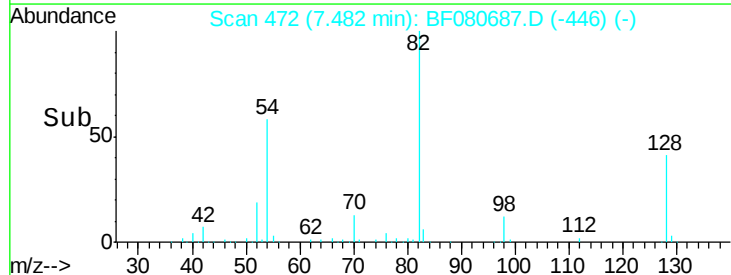
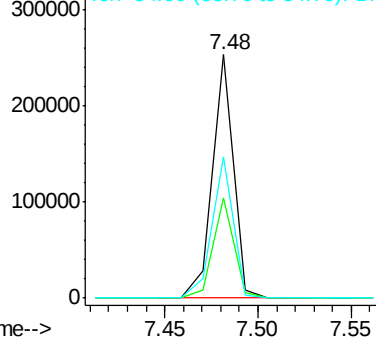


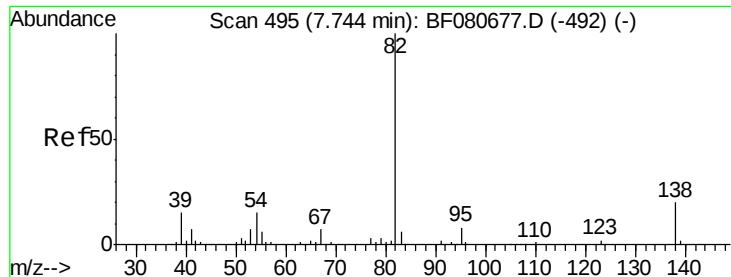
#23
Nitrobenzene-d5
Concen: 89.70 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF080687.D
Acq: 27 Jul 2015 23:35

Tgt Ion:	82	Resp:	199480
Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.7	50.5
54	57.9	47.3	70.9



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 52.18 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.26 min

Lab File: BF080687.D

Acq: 27 Jul 2015 23:35

Instrument :

BNA_F

ClientSampleId :

DIN46-EFFLUENT-072315

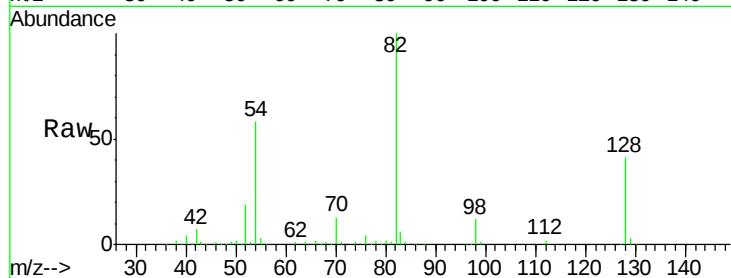
Tgt Ion: 82 Resp: 179852

Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

138 0.0 15.8 23.6#

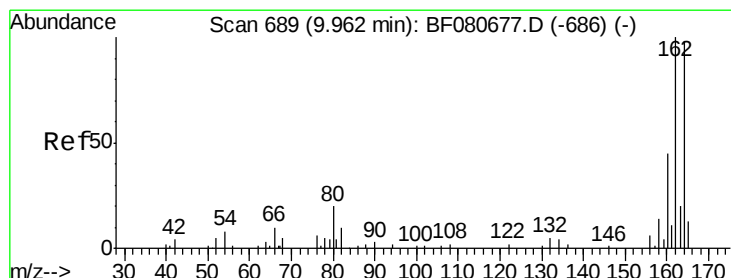
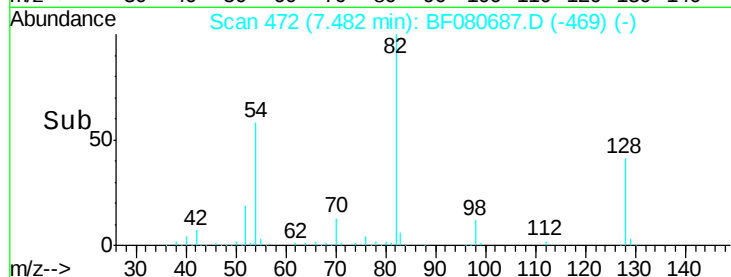


Abundance Ion 82.00 (81.70 to 82.70): BF080687.D (-472) (-)

Ion 95.00 (94.70 to 95.70): BF080687.D (-472) (-)

Ion 138.00 (137.70 to 138.70): BF080687.D (-472) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 689

Delta R.T. 0.00 min

Lab File: BF080687.D

Acq: 27 Jul 2015 23:35

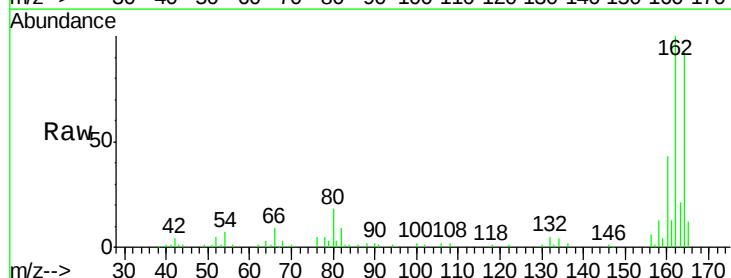
Tgt Ion: 164 Resp: 52946

Ion Ratio Lower Upper

164 100

162 107.7 82.0 123.0

160 46.3 36.7 55.1

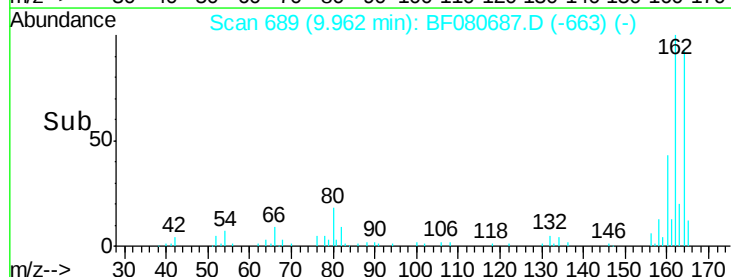


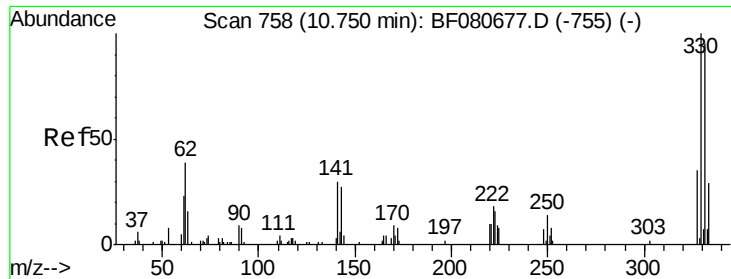
Abundance Ion 164.00 (163.70 to 164.70): BF080687.D (-689) (-)

Ion 162.00 (161.70 to 162.70): BF080687.D (-689) (-)

Ion 160.00 (159.70 to 160.70): BF080687.D (-689) (-)

Time-->

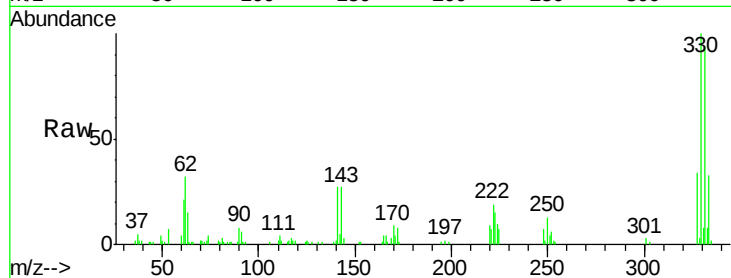




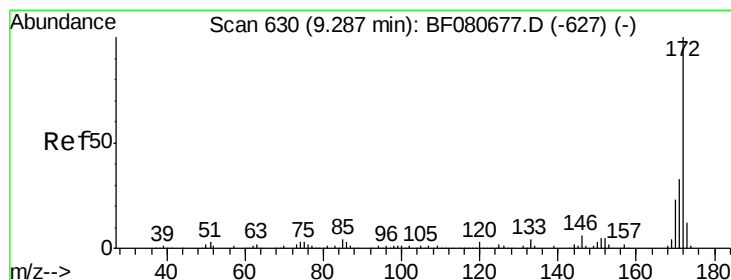
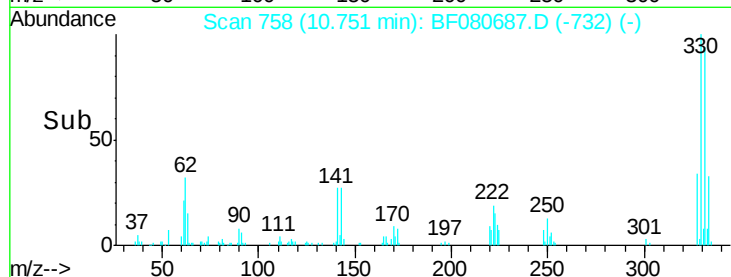
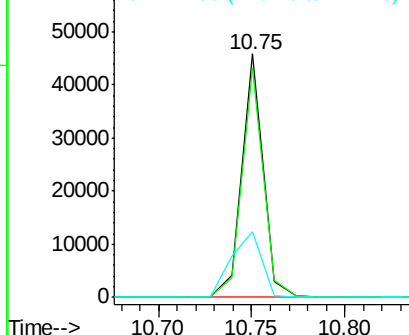
#41
 2,4,6-Tribromophenol
 Concen: 78.15 ng
 RT: 10.75 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BF080687.D
 Acq: 27 Jul 2015 23:35

Instrument :
 BNA_F
 ClientSampleId :
 DIN46-EFFLUENT-072315

Tgt Ion:330 Resp: 36590
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.9 115.3
 141 38.4 30.6 45.8

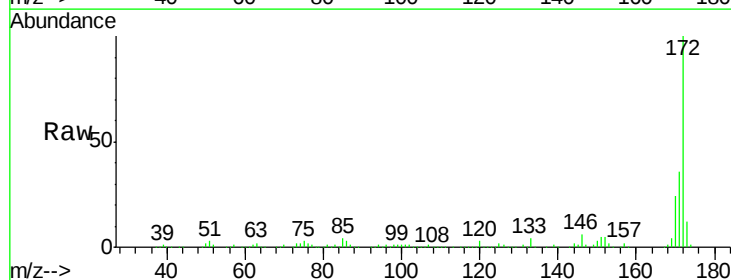


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

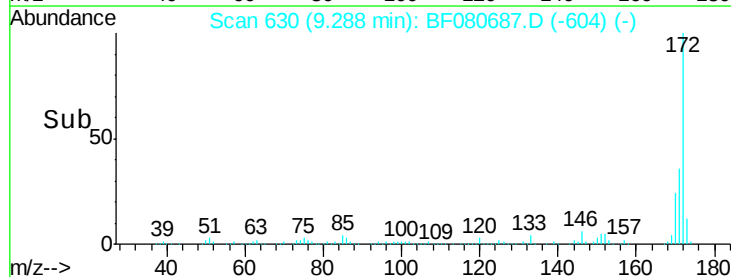
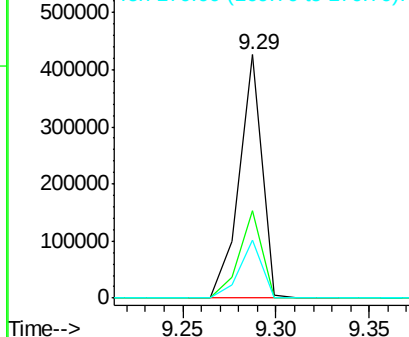


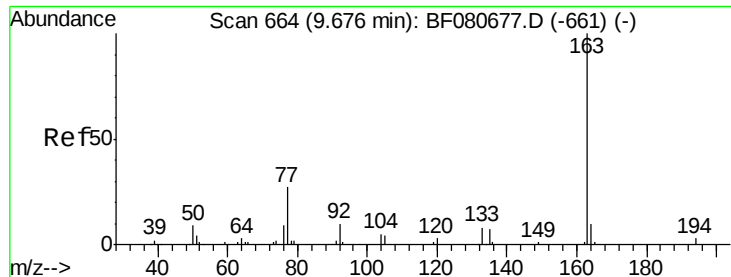
#44
 2-Fluorobiphenyl
 Concen: 86.31 ng
 RT: 9.29 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF080687.D
 Acq: 27 Jul 2015 23:35

Tgt Ion:172 Resp: 365143
 Ion Ratio Lower Upper
 172 100
 171 35.8 26.6 39.8
 170 23.6 18.6 28.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.05 ng

RT: 9.68 min Scan# 664

Delta R.T. 0.00 min

Lab File: BF080687.D

Acq: 27 Jul 2015 23:35

Instrument :

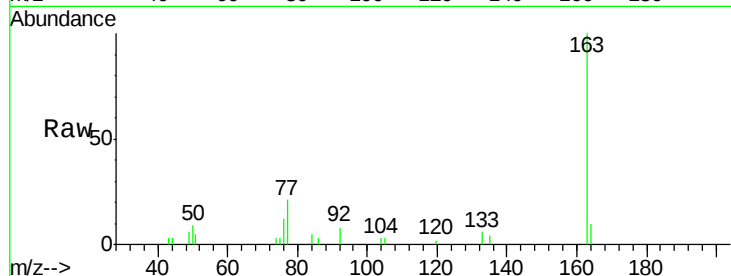
BNA_F

ClientSampleId :

DIN46-EFFLUENT-072315

Tgt Ion:163 Resp: 10680

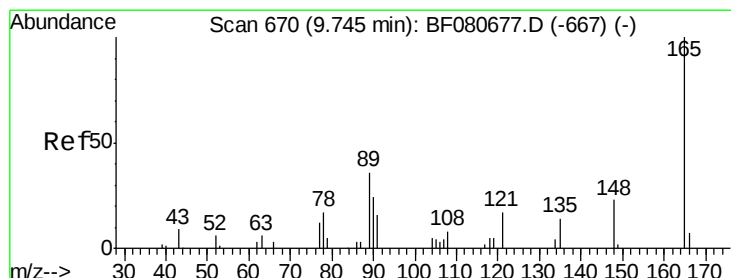
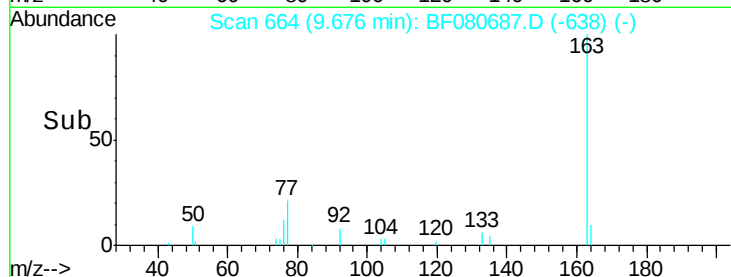
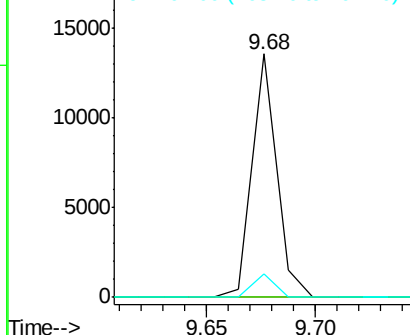
Ion	Ratio	Lower	Upper
163	100		
194	0.0	2.4	3.6#
164	9.5	8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 10.68 ng

RT: 9.96 min Scan# 689

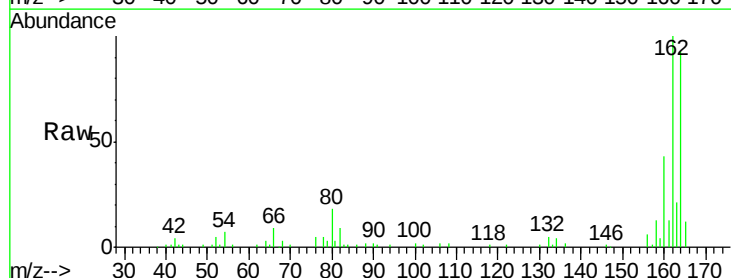
Delta R.T. 0.22 min

Lab File: BF080687.D

Acq: 27 Jul 2015 23:35

Tgt Ion:165 Resp: 7294

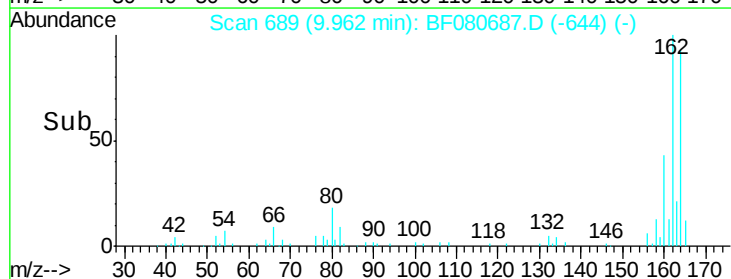
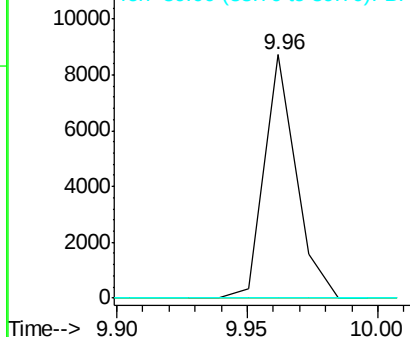
Ion	Ratio	Lower	Upper
165	100		
63	0.0	27.1	40.7#
89	0.0	29.0	43.6#

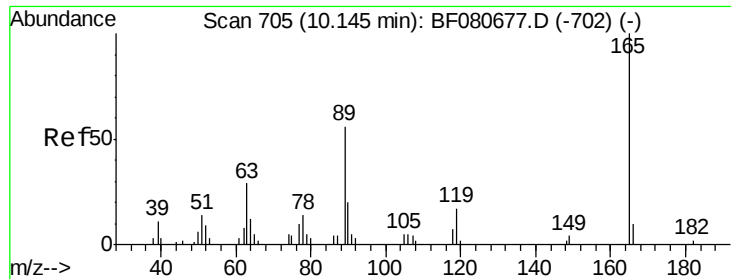


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

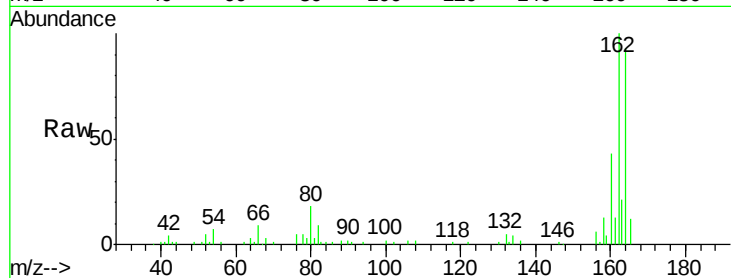




#56
 2,4-Dinitrotoluene
 Concen: 9.36 ng
 RT: 9.96 min Scan# 689
 Delta R.T. -0.18 min
 Lab File: BF080687.D
 Acq: 27 Jul 2015 23:35

Instrument :
 BNA_F
 ClientSampleId :
 DIN46-EFFLUENT-072315

Tgt Ion:	165	Resp:	7295
Ion	Ratio	Lower	Upper
165	100		
63	0.0	23.2	34.8#
89	0.0	44.6	67.0#
182	0.0	1.9	2.9#

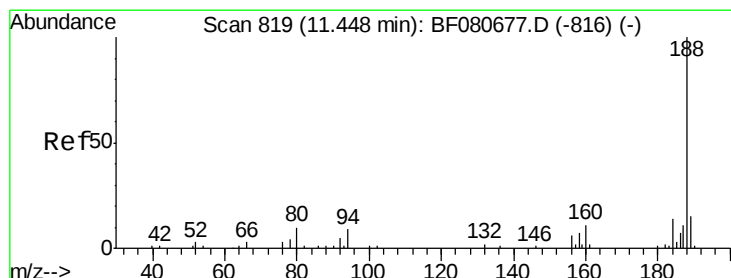
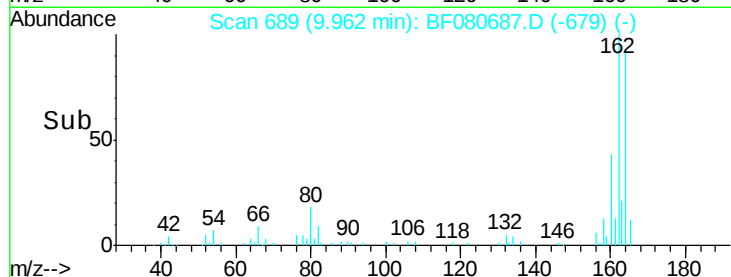
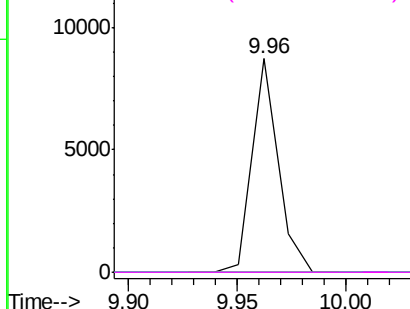


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

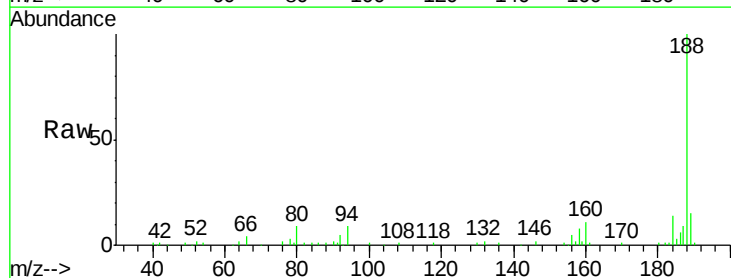
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF080687.D
 Acq: 27 Jul 2015 23:35

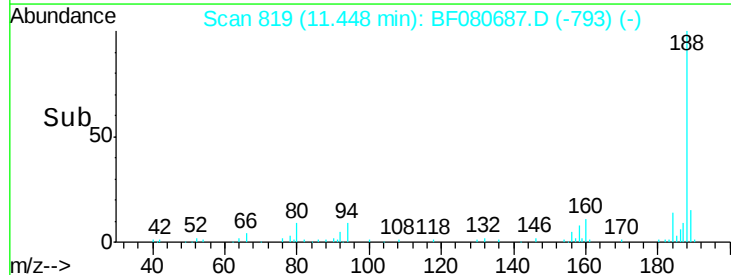
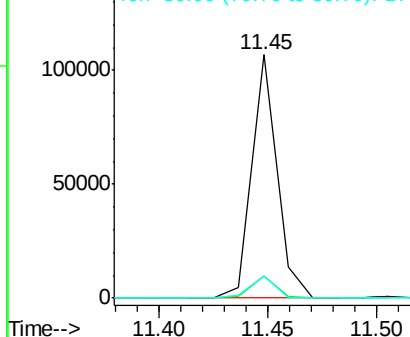
Tgt Ion:	188	Resp:	85930
Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	9.2	8.2	12.2

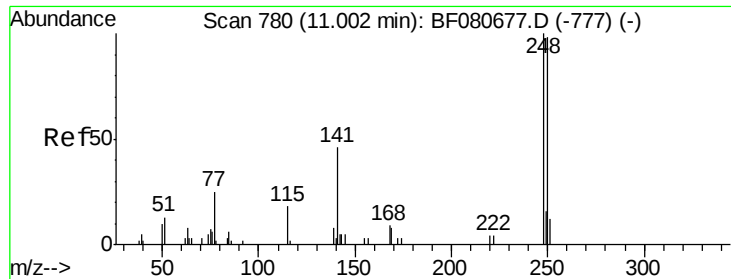


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

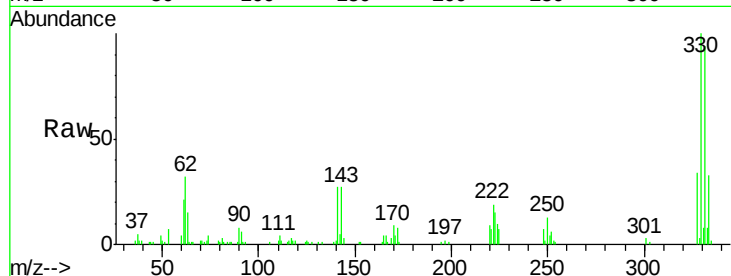




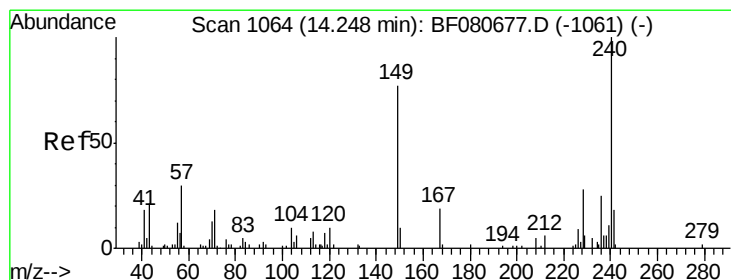
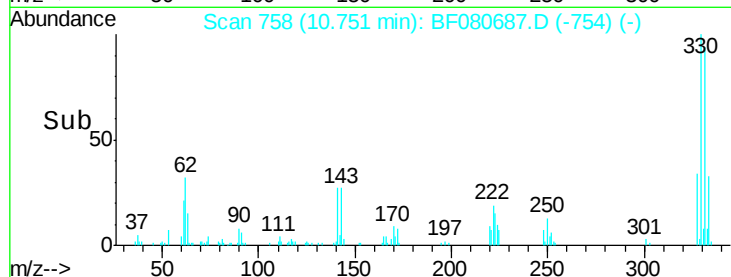
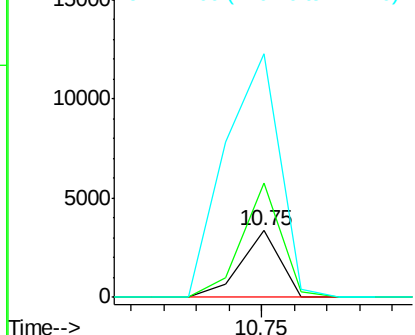
#66
 4-Bromophenyl-phenylether
 Concen: 2.99 ng
 RT: 10.75 min Scan# 758
 Delta R.T. -0.25 min
 Lab File: BF080687.D
 Acq: 27 Jul 2015 23:35

Instrument :
 BNA_F
 ClientSampleId :
 DIN46-EFFLUENT-072315

Tgt Ion:248 Resp: 2763
 Ion Ratio Lower Upper
 248 100
 250 171.3 78.5 117.7#
 141 365.7 36.8 55.2#

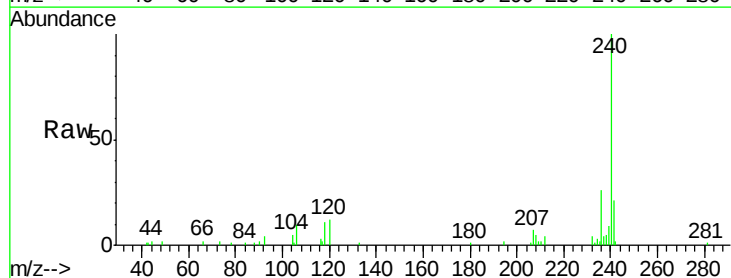


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

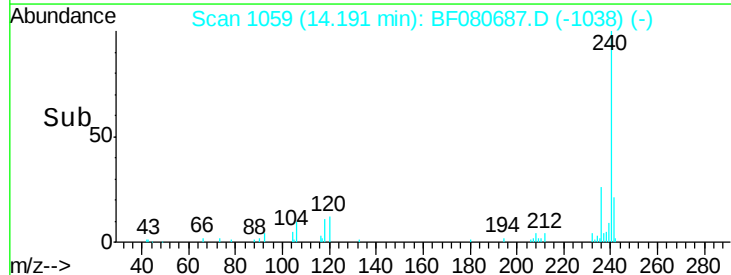
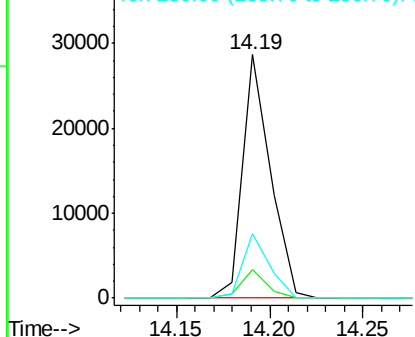


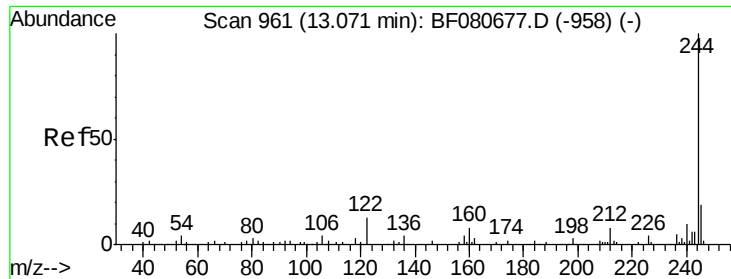
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.19 min Scan# 1059
 Delta R.T. -0.06 min
 Lab File: BF080687.D
 Acq: 27 Jul 2015 23:35

Tgt Ion:240 Resp: 29641
 Ion Ratio Lower Upper
 240 100
 120 12.0 8.0 12.0
 236 26.4 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

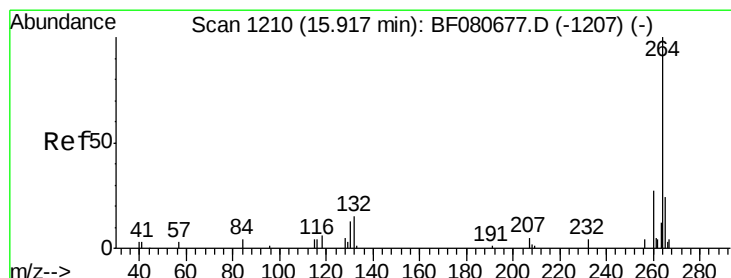
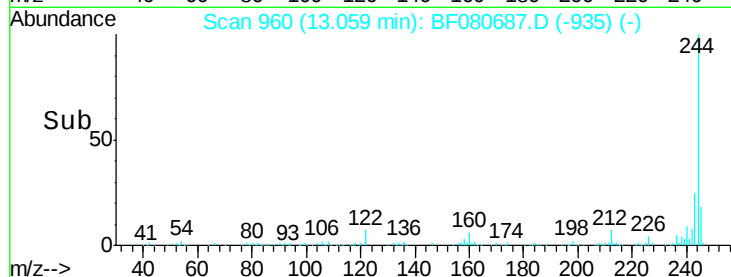
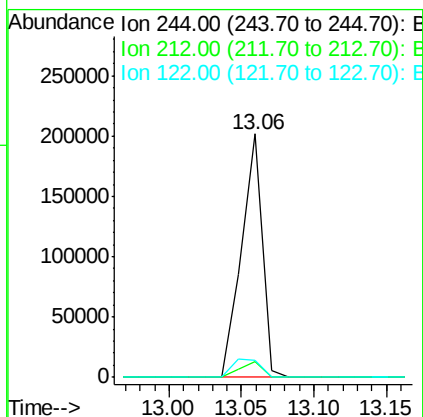
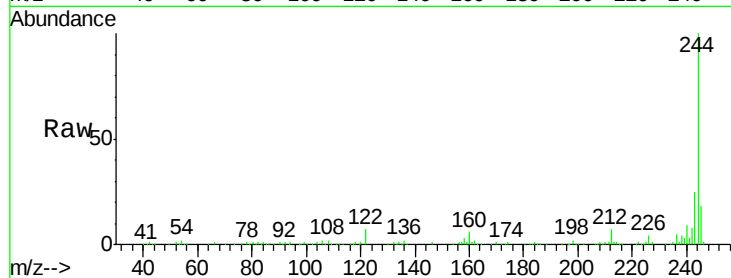




#78
 Terphenyl-d14
 Concen: 115.74 ng
 RT: 13.06 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF080687.D
 Acq: 27 Jul 2015 23:35

Instrument :
 BNA_F
 ClientSampleId :
 DIN46-EFFLUENT-072315

Tgt Ion:244 Resp: 201462
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.1 9.1
 122 7.0 10.2 15.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.80 min Scan# 1200
 Delta R.T. -0.11 min
 Lab File: BF080687.D
 Acq: 27 Jul 2015 23:35

Tgt Ion:264 Resp: 14901
 Ion Ratio Lower Upper
 264 100
 260 20.8 21.6 32.4#
 265 22.0 19.3 28.9

